

FIG. 1

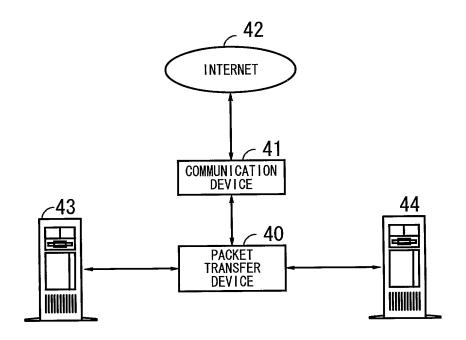


FIG. 2

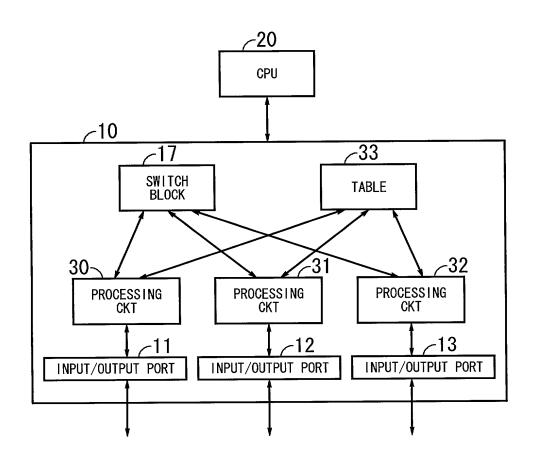


FIG. 3

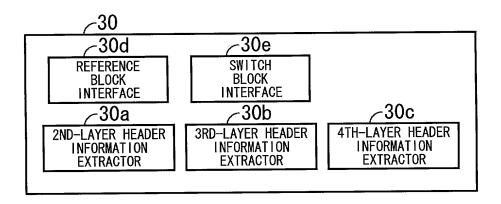


FIG. 4(A)

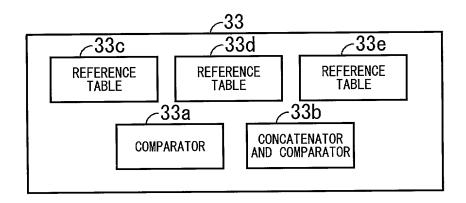


FIG. 4(B)

FIG. 5

FIELD	FILTERING	NO	NO	YES
DATA FIELD	INPUT/OUTPUT PORT	P#1	P#2	-
	DESTINATION TCP PORT NUMBER	DP#1	DP#2	DP#3
E FIELD	SOURCE TCP PORT NUMBER	SP#1	SP#2	SP#3
REFERENCE FIELD	DESTINATION IP ADDRESS	DA#1	DA#2	DA#3
	SOURCE IP ADDRESS	SA#1	SA#2	SA#3

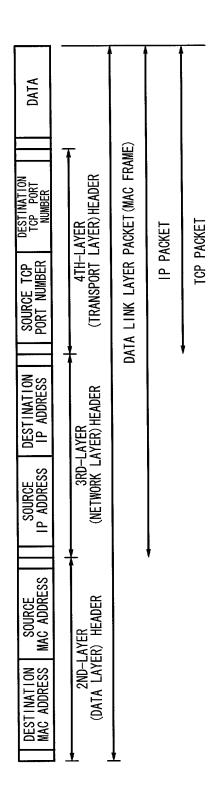
F1G. 6

FIELD	FILTERING	NO	YES	•	•	-
DATA FIELD	INPUT/OUTPUT PORT	CPU	-	•	•	•
	DESTINATION TCP PORT NUMBER	80	100	•	=	•
	SOURCE TCP PORT NUMBER	tcpany	tcpany	=		•
REFERENCE FIELD	DESTINATION IP ADDRESS	ga#1	ga#1	-	•	
R	SOURCE 1P ADDRESS	gaany	gaany		•	•
	RECEPTION INPUT/OUTPUT PORT	PORT 11	PORT 11	-	•	•

F16

	DESTINATION MAC ADDRESS	SOURCE MAC ADDRESS	SOURCE 1P ADDRESS	DESTINATION IP ADDRESS	SOURCE TCP PORT NUMBER	DESTINATION TCP PORT NUMBER
PACKET #1	ma#1	max	gax	ga#1	×	80
PACKET #2	ma#1	max	gax	ga#1	×	100
•	•	•	•	•	•	*
•	•	•	•	•	•	•
•	•	•	•	•	•	•

F1G. 8



F1G. 9

	_					
FIELD	FILTERING	ON	YES	•	•	•
DATA FIELD	INPUT/OUTPUT PORT	PORT 13	1	•		•
	DESTINATION TCP PORT NUMBER	110	100	•	a a	•
REFERENCE FIELD	SOURCE TCP PORT NUMBER	tcpany	tcpany	•	•	
	SOURCE IP DESTINATION ADDRESS IP ADDRESS	pa#2	pa#2	•	•	•
	SOURCE 1P ADDRESS	pa#1	pa#1	-	•	•

FIG 10

	DESTINATION MAC ADDRESS	SOURCE MAC ADDRESS	SOURCE 1P ADDRESS	DESTINATION IP ADDRESS	SOURCE TCP PORT NUMBER	DESTINATION TCP PORT NUMBER
PACKET #1	mpa#2	mpa#1	pa#1	pa#2	×	110
PACKET #2	mpa#2	mpa#1	pa#1	pa#2	×	100
		•		•	-	-
•	•	•	•	•	•	
•	•	•			•	

F1G. 11

_						
ELD	FILTERING	ON	YES	•	•	•
DATA FIELD	INPUT/OUTPUT PORT	PORT 12, 13	PORT 13	•	•	
E FIELD	DESTINATION IP ADDRESS	pa#1	2#ed	-	•	•
REFERENCE FIELD	SOURCE 1P ADDRESS	pa#4	pa#4		•	•

F1G. 12

	FILTERING	NO	NO	•	•	
DATA FIELD	INPUT/OUTPUT PORT	PORT 13	PORT 13	=	•	=
9	DESTINATION TCP PORT NUMBER	110	100	•	-	•
E FIELD	SOURCE TCP PORT NUMBER	×	×	-	•	•
REFERENCE FIELD	DESTINATION IP ADDRESS	pa#1	pa#2	-		•
	SOURCE 1P ADDRESS	pa#4	pa#4		=	•

F16 1

	DESTINATION MAC ADDRESS	SOURCE MAC ADDRESS	SOURCE IP ADDRESS	DESTINATION IP ADDRESS	SOURCE TCP PORT NUMBER	DESTINATION TCP PORT NUMBER
1	ma#1	ma#2	pa#4	pa#1	×	110
	ma#1	ma#2	pa#4	pa#2	×	100
				•	•	•
	•	•	•	•	•	•
			•	*	•	•

F1G. 14

REFERENCE FIELD	DATA FILED
IP ADDRESS #1	PORT 11
IP ADDRESS #2	PORT 12
IP ADDRESS #3	PORT 13

FIG. 15(A)

REFERENCE FIELD	DATA FIELD
TCP PORT #1	PORT 11
TCP PORT #2	PORT 12
TCP PORT #3	PORT 13

FIG. 15(B)

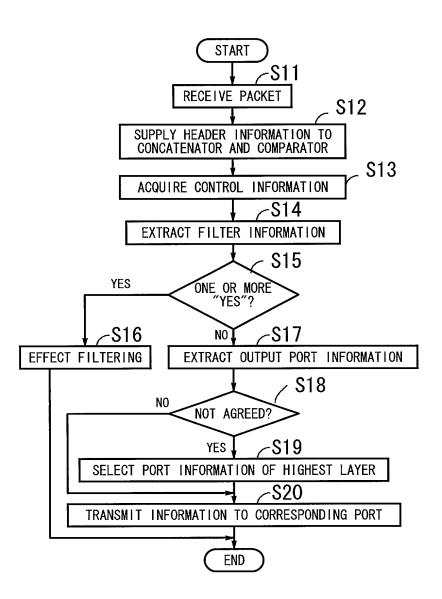


FIG. 16

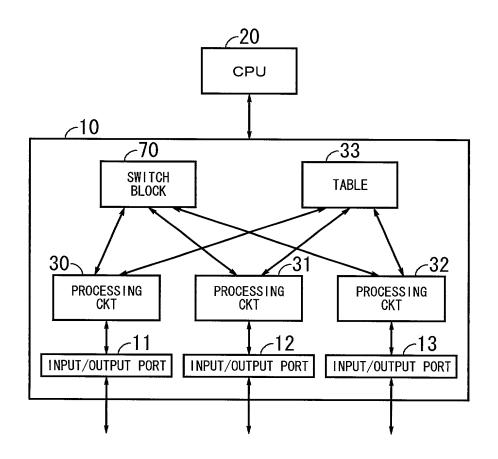


FIG. 17

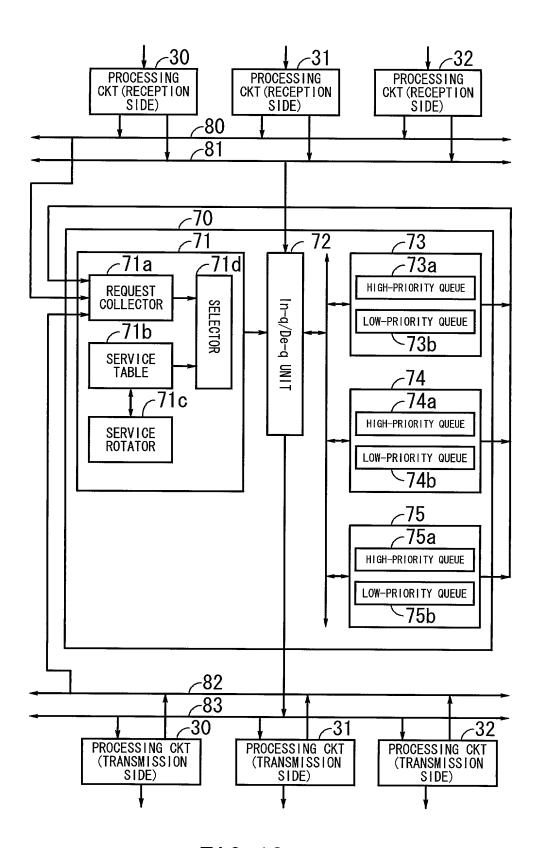


FIG. 18

	_				
DATA FIELD		PRIORITY	PRIORITY #1	PRIORITY #2	l
DATA	,	INPUT/OUTPUT PORT	P#1	D#5	
		DESTINATION TCP PORT NUMBER	1#4Q	DP#2	£#dQ
REFERENCE FIELD		SOURCE TCP PORT NUMBER	1#dS	Z#dS	8#dS
		DESTINATION IP ADDRESS	DA#1	DA#2	E#YQ
	,	SOURCE IP ADDRESS	SA#1	SA#2	SA#3

F1G. 19

	_						_
DATA FIELD		PRIORITY	PRIORITY HIGH	PRIORITY LOW			
DATA		INPUT/OUTPUT PORT	PORT 12	PORT 12	•		
		DESTINATION TCP PORT NUMBER	0089	100			•
REFERENCE FIELD		SOURCE TCP PORT NUMBER	0009	any	•		•
		DESTINATION IP ADDRESS	pa#2	pa#2	•		•
		SOURCE IP ADDRESS	any	any	-	•	•

F1G. 20

	DESTINATION MAC ADDRESS	SOURCE MAC ADDRESS	SOURCE IP ADDRESS	DESTINATION IP ADDRESS	SOURCE TCP PORT NUMBER	DESTINATION TCP PORT NUMBER
PACKET #1	ma#2	ma#1	pa#1	pa#2	0009	6300
PACKET #2	ma#2	ma#3	pa#3	pa#2	×	100
•			•	•	•	
•	•	=		•	•	
•	•	=	•	•	•	•

F1G. 21

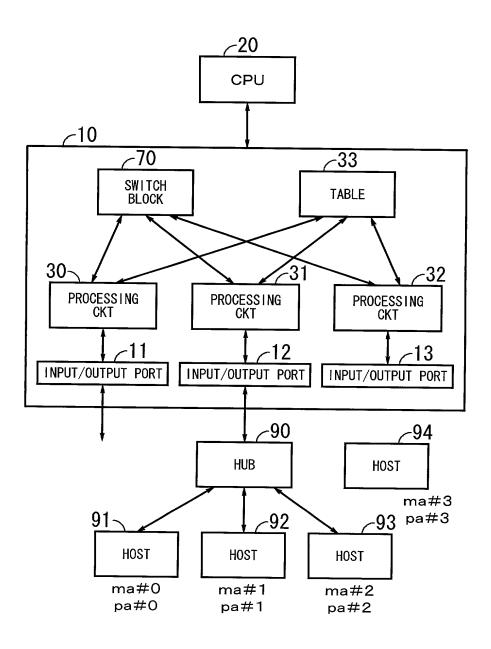


FIG. 22

	TOS PRIORITY:		OOO LOW: PORT 12	100	1000 1000 1000 1000	000 100 010	1000 1000 100 · ·
	TCP PORT NUMBER]				1 1 -	
-	SOURCE TCP PORT NUMBER				1 1	1 1 -	1 1
HOL	DESTINATION IP ADDRESS	pa#3		pa#3	pa#3	pa#3	pa#3
100	SOURCE IP ADDRESS	0#ed		pa#1	pa#1 pa#2	pa#1 pa#2	pa#1 pa#2
IOUTINO	BITS	10001		10001	10001	10001	10001
	No.	-		2	3	2 8 -	2 8

F1G. 23

DESTINATION SOURCE MAC ADDRESS	ESS SOURCE IP		DESTINATION IP ADDRESS	TOS
ma#3 ma	ma#0 pa#0	-	pa#3	000
ma#3 ma	ma#1 pa#1	pg	pa#3	100
ma#3 ma	ma#2 pa#2		pa#3	010
-	-	_		•
•				
-	_			

F1G. 24

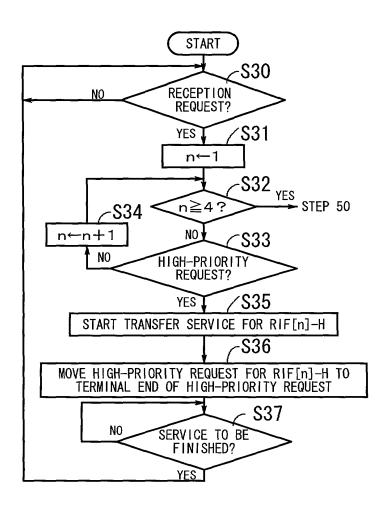


FIG. 25

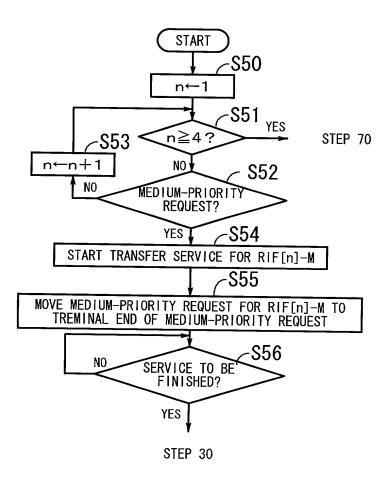


FIG. 26

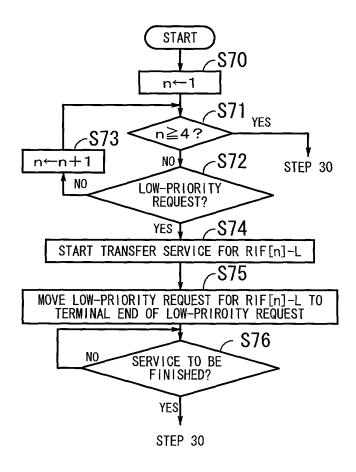
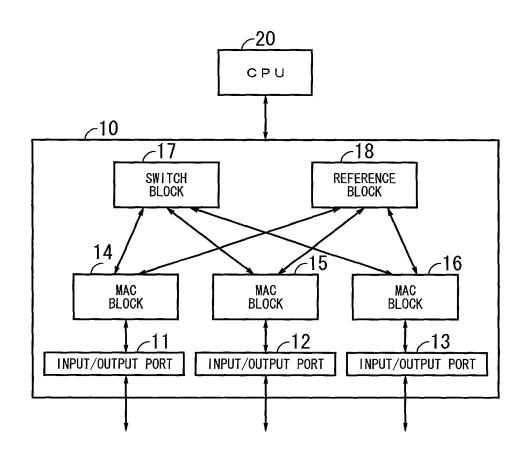
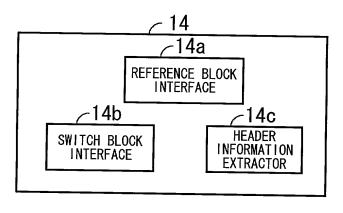


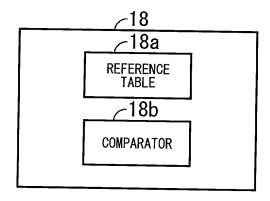
FIG. 27



PRIOR ART FIG. 28



PRIOR ART FIG. 29 (A)



PRIOR ART FIG. 29 (B)

REFERENCE FIELD	DATA FIELD
MAC ADDRESS #1	PORT NUMBER #1
MAC ADDRESS #2	PORT NUMBER #2
MAC ADDRESS #3	PORT NUMBER #3

PRIOR ART FIG. 30